

WRITABLE FILE SYSTEM SNAPSHOT WITH DITTO ADDRESS FEATURE

ABSTRACT OF THE DISCLOSURE

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A system, method and computer readable medium for providing a writable file system snapshot with ditto address feature is disclosed. In an embodiment of the present invention, the method includes accessing a first file system snapshot in a set of file system snapshots. A snapshot includes data contents comprising at least one shadow inode or at least one shadow inode and at least one data block corresponding to the shadow inode. The data contents of the first snapshot are copied and written to the next oldest file system snapshot. Subsequently, the data contents of the first snapshot are modified in accordance with modifications to at least one source file corresponding to the first snapshot. Then, a next most recent file system snapshot is accessed. The data contents of the next most recent snapshot are copied and written to the first file system snapshot.

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